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Notice of Intent to be Covered Under EPA's NPDES Permit for Federal Aquaculture Facilities and Aquaculture Facilities Located in Indian Country within the Boundaries of the State of Washington

General Permit WAG130000

# In addition to the requirements in the following pages, a complete application must also include the following:

_ T	) An area map showing regional co	JIILE	ext
	) A sketch, aerial photograph, or r the following clearly marked (inc		o of the existing or proposed facility e scale):
	Approximate overall dimensions of the facility All raceways and rearing ponds All water sources and water flow rates		Water conditioning units Water treatment units (such as off-line settling basins) Holding tanks
	Any settling ponds, including dimensions and volume All discharge points and receiving waters		Locations where flows are measured  Points of chemical and therapeutic drug addition  Points of feed addition  Painted or caulked surfaces in contact with water
part	t) A sketch, aerial photograph, or r t of your hatchery program, in rela king NPDES permit coverage		네가 있습니다 나를 하게 없는데 모양을 바꿨다면 하는데 보다가 있습니다. 그렇게 많은 경우를 생겨나니다. 그 그렇게 다른데 나를 다고 보는데 없다.
	) A map to accompany driving directed or visible on-site)	ecti	ons to the facility (if address is not
□ 5	i) A completed signature page		





# **SEPA** Notice of Intent

To comply with NPDES General Permit No. WAG130000 for Federal **Aquaculture Facilities and Aquaculture Facilities Located in Indian Country within the Boundaries of the State of Washington** 

Permit Number for your facility (if already enrolled	ed in this permit		
Other permit number(s), date, and issuing agency		"WAG130026	
Section 1. Owner/Opera	tor Info	rmation	
Owner Name: Tacoma Power	Title:	Tillation	
Phone:	Fax:		
Email:			
Owner Mailing Address			
Line 1: 3628 South 35th Street			
Line 2:			
City: Tacoma		State: WA	<sup>Zip:</sup> 98409
Operator Information			
Owner Name: Andrew Ollenburg	Title: Cu	ushman Fish F	acilities Manager
Phone: 253-441-4950	Fax:		
Email: aollenburg@cityoftacoma.org			
Operator Mailing Address			
Line 1: PO Box 1610			
Line 2:			
City: Hoodsport		State: WA	<sup>Zip:</sup> 98548

# **Section 2. Facility Information**

Facility Name: Saltwater Pa	rk Sockeye Hatchery		
Tribal or Federal Facility?	🗆 Tribal 🔲 Federal 🗏 O	cher City of Tacoma	a-Tacoma Public Utilit
Is the facility located in Indian Notes:	Country? 📕 Yes 🗌 No		and the second
Facility Mailing Add	ress		
Line 1: PO Box 1610			
Line 2:			
City: Hoodsport		State: WA	<sup>Zip:</sup> 98548
Facility Physical Add	dress		
Line 1: 21452 N U.S. HW	/ 101		
Line 2:			
City: Shelton		State: WA	<sup>Zip:</sup> 98584
County/Reservation: Mason	County		
Please provide driving direction Include a map to accompany to	ns to the facility from the neares hese directions if the address is	t town or city. Attach a	separate page if needed.
	dsport on HWY 101 for 2 way, adjacent to the Sko		
Is there a locked gate or barrie	er that prevents access via car to	the facility?	□ No
Notes: Gates are unlocke	ed during business hours	S.	

# Section 2. Facility Information (cont'd)

Is this an existing facility?  Yes  No Date of first discharge: January, 2017
Is this a planned/proposed facility?  Yes  No
If yes, estimated construction start date:  Estimated construction end date:
Date(s) facility remodeled, expanded, or upgraded (MM/DD/YYYY):
Have there been any changes or additions to the facility that will increase it to more than 100,000 lbs of annual production since the last permit application?   Yes No  Describe:
Are there any planned remodels, additions, or expansions that will increase annual production to over 100,000 lbs during the next 5 years?   Yes No
Describe:

### Section 2. Facility Information (cont'd) Satellite Facilities

Please describe any satellite facilities that operate in tandem with the NPDES-permitted facility as part of the hatchery program. This may include off-site acclimation ponds, net pens, other hatcheries that fish are transported to or from, facilities from which eggs are delivered, etc.

Attach a sketch, aerial photograph, or map to show where any satellite facilities are located in relation to the facility for which you are seeking NPDES coverage in this application.

Submit additional pages as necessary to cover all additional facilities. Label additional pages: Satellite Facilities/Hatchery Program

Name of facility:				
Describe the function of satellite facility and how it relates coverage. Include the species raised and life stage for ea	to the fac ch facility t	ility for which t hat is part of t	his NOI is requesting N he hatchery program.	PDES
Satellite Facility Physical Address				
Line 1:				
Line 2:		*		
City:		State:	Zip:	
County/Reservation:				
Satellite Facility Operator Information	1			
Agency/Tribe/Entity:	Name of F	acility Manager	:	
Phone:				
Email:				
Satellite Facility Operator Mailing Add	ress			
Line 1:				
Line 2:				
City:		State:	Zip:	No. of the last

### **Section 3. Operations and Production**

Is the pro	oduction s	ystem be	st describ	ed as:							
Flow	through (	Recirc	ulating $\Box$	Pond sy	stem 🗆	Other					
Does the If not, pl	facility op ease indic	perate yea ate which	ar-round? months t	Yes Che facility	No holds fish	or eggs:					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
									( ) ( )		

List the species grown or held at your facility and estimate the annual production of each in gross harvestable weight. If fish are released rather than harvested, list the estimated weight at time of release. The estimate can be a range over the next 5 years, if appropriate.

Specles	Fish Produced	Receiving Water to which Fish are Released	Month Released/ Spawned
Sockeye Salmon	4,167	Lake Cushman	May
Sockeye Salmon	3,333	North Fork Skokomish River	May
Sockeye Salmon	5,555	Lake Cushman	September

Fill in the table below with the highest production numbers expected for the next 5 years. List the maximum amount of fish on-site and the maximum amount of food **per month** for the year of maximum production. For **new facilities**, provide information for the year of highest anticipated production within the next 5 years.

Month	Total Fish (lbs)	Fish Feed (lbs)	Month	Total Fish (lbs)	Fish Feed (lbs)
January	3,150	500	July	4,500	1,100
February	3,700	600	August	6,900	1,700
March	4,000	700	September	2,225	1,050
April	2,800	800	October	3,000	700
May	3,600	1,500	November	3,625	750
June	3,300	850	December	4,650	950

From what year are these data? 2017, 2018

Note: If you operate for 30 or more days per year and exceed the production (20,000 lbs) <u>and</u> feed thresholds (5,000 lbs of food during the month of maximum feeding) for even a brief period of time, your facility is required to apply for NPDES permit coverage.

# Section 3. Operations and Production (cont'd)

Does this facility process fish for m	arket at this location? Li Yes 🔳 No	
Are fish spawned on-site?  Yes	☐ No During which months are fish	spawned on-site? October, Noven
	cult of on-site spawning (e.g., blood, ar	nesthetics, disinfectants, carcasses):
Blood, fish ovarian fluid, io	uirie.	
Describe how spawning wastes are	disposed of and to which outfall (if any	<i>y</i> ):
All waste generated as a reapproved upland disposal to begin until 2020.	esult of on-site spawning is co facility (landfill). Spawning ope	llected and disposed of in an erations are not expected to
	eleased from the facility directly to	
□ Lake %	River%	□ Other %
Approximate lbs fish:	Approximate lbs fish:	Approximate lbs fish:
Location/Receiving water name:	Location/Receiving water name:	Location/Receiving water name:
Provide the percentage of fish <u>I</u>	nauled off-site to a lake, river, or o	ther location.
■ Lake 90 %	■ River 10 %	□ Other %
Approximate lbs fish:	Approximate lbs fish:	Approximate lbs fish:
9,722	3,333	
Location/Receiving water name:	Location/Receiving water name:	Location/Receiving water name:
Lake Cushman	North Fork Skokomish River	
Are fish held on-site for broodstock	? ■ Yes □ No	
Describe the species, where obtained	ed, quantity, and where held (i.e., race	eway or pond):
Sockeye Salmon will be co	llected at the base of the No.in 2020, up to 2,000 adults w	2 Cushman Dam (North Fork vill be held in the adult holding

# Section 4. Source Waters (Intakes)

Describe the facility's water sources. Attach additional pages as necessary.

Source No. 1	Source Water Name:	Max Flow	Min Flow	Avg Flow	Units (cfs or gpm)
	Groundwater	5.6	1.5	3	cfs
Source Water	Treatment: none				
Are solids rem	oved from influent water? 🗌 Yes 🔳 No Describe	:			
	Source Water Name:	Max Flow	Min Flow	Avg Flow	Units (cfs
Source No. 2	Surface water from Lake Kokanee	7	0	3	or gpm)
Source Water	Treatment: none				
Are solids rem	oved from influent water?  Yes No Describe	H			
Source No. 3	Source Water Name:	Max Flow	Min Flow	Avg Flow	Units (cfs or gpm)
Source Water	Treatment:				
Are solids rem	oved from influent water? 🗌 Yes 🔲 No Describe	:			
Source No. 4	Source Water Name:	Max Flow	Min Flow	Avg Flow	Units (cfs or gpm)
Source Water	Treatment:				
	oved from influent water?   Yes   No Describe	e: ,			
Source No. 5	Source Water Name:	Max Flow	Min Flow	Avg Flow	Units (cfs or gpm)
Source Water	Treatment:				
Are solids rem	oved from influent water?   Yes   No Describe	):			

### **Section 5. Receiving Waters**

Do the receiving waters prim	arily consist of:	Fresh water	■ Salt/Brackish water	Other (Describe below)
Notes:				

- Indicate if a receiving water is listed as impaired, in accordance with Section 303(d) of the Clean Water Act.
- Indicate the pollutants for which the water body is impaired and any wasteload allocations that have been assigned to the facility.
- Indicate if the discharge is to waters in Indian Country located within one mile upstream of a waterbody listed as impaired.
- Refer to the 303(d) list of impaired waters at <a href="http://www.ecy.wa.gov/programs/Wq/303d/index.html">http://www.ecy.wa.gov/programs/Wq/303d/index.html</a>.
- If there is an applicable Total Maximum Daily Load (TMDL) with a Wasteload Allocation assigned to the facility, include that information here.

Receiving Water							
Receiving Water	Pollutant for which impaired	Wasteload Allocations	TMDL document the WLA				
Hood Canal	N/A	N/A					

The discharge is located on the Skokomish Indian Reservation and is within one mile of candidate impaired waters as defined by the State of Washington Department of Ecology's 303 (d) program. Those pollutants include dissolved oxygen and bacteria.

### **Section 6. Wastewater**

Wastewater Discharges						
Outfall		Location	of Outfal	ı	Notes: Include source (where in the facility the wastewater is generated), frequency, duration & volume (cfs or gpm) of discharge)	Name of Receiving Water
		Degrees	Minutes	Seconds		
001	Latitude	47	22	10.6	Waste generated from hatchery operations is planned to be	Hood Canal
	Longitude	123	09	33.4	continuous at the volumes listed a	
002	Latitude					
	Longitude					
003	Latitude					
303	Longitude					1 7 3
004	Latitude					
004	Longitude					
005	Latitude					
005	Longitude					
. 006	Latitude					
006	Longitude					
007	Latitude					
	Longitude					7.5
008	Latitude					
800	Longitude			At all		
009	Latitude					
	Longitude					
010	Latitude					
010	Longitude					

### Section 6. Wastewater (cont'd)

Describe:

Indicate the type(s) of wastewater treatment provided at this facility.

In-line Settling Basin			
Do any rearing units discharge through an in-line settling basin?   Yes  No  Describe in-line settling basin (length, volume, retention time, etc.):			
Which rearing units discharge to the in-line settling basir	n, and when?		
Off-line Settling Basin			
Does the facility use an off-line settling basin?   Yes	No Number of off-line settling basins: 2		
Which rearing units discharge to the off-line settling basi	n, and when/under what circumstances?		
All. All round ponds discharge 15% of their	total effluent into the settling basins.		
Does the off-line settling basin discharge directly to surface water? ■ Yes □ No  Describe: Discharge location noted above.			
Basin size: 24'x8', 56" water depth	Retention time: 87 minutes ave		
Water volume of off-line settling basin: 6,702 gallons			
Estimate the number of discharges from the off-line settling basin per year: Continuous			
How often is the off-line settling basin cleaned/excavated	d? As needed		
If an off-line settling basin is used for cleaning wastes, is rearing pond in each series?    Yes   No	s there a quiescent zone at the end of the last raceway or		
Describe: Flow characteristics of the rearing tanks allows for settling of heavy solids which discharge into the settling basin.			
Is there a mechanism to block discharges of floating mal Describe:	terial? 🗌 Yes 🔳 No		
Does the facility discharge to the ground?   Yes  NDescribe:	0		
Does the facility have unlined structures?    Yes   No			
Material:	Quantity:		

# Section 6. Wastewater (cont'd)

Constructi	on of Off-line Settling Basin (if known)		
Liner Material	Thickness		
Concrete Yes	12	Inches	
Asphalt		Inches	
Clay or earthen		Inches	
Plastic PVC/HDPE/other Describe:		mils	
DS:			
	Pond and Raceway Cleaning		
How frequently are the ponds and/or ra Notes: All rearing vessels are c			
Methods of cleaning:   Vacuum   M	anually  Other		
What is done with the removed solids? Solids flush to the settling basin.			
Are ponds cleaned prior to fish release?	P ■ Yes □ No		
Are any liquid or solld wastes discharge If yes, describe:	ed to the ground? □ Yes ■ No		
Are any wastes (other than domestic so If yes, describe:	ewage) discharged to a septic system? ☐ Yes  ■ No		
Are any solids or wastes (other than do ☐ Yes ■ No If yes, name of facility:  Describe waste:	omestic waste) discharged to a publicly owned treatment works?		
Are wastes discharged to any other waste treatment system? ☐ Yes ☐ No If yes, describe:			

## Section 7. Solid Waste Disposal

Describe annual quantities of solids (including fish mortalities) disposed and location of disposal.

Date Disposed	Location Disposed
Fall /	Hauled off-site to landfill or used for nutrient enhancment
continuous	Landfill
Summer	Disposed as septage or land applied class B biosolid in accordance with WA Dept of Ecology
	Fall

## Section 8. Aquaculture Drugs and Chemicals

Please indicate which drugs or chemicals you plan to use at the facility during the next 5 years.

Plan to use in the next 5 years?	Investigational New Animal Drug (INAD)?	Drug or Chemical	
□ Yes ■ No	□ Yes □ No	Azithromyicin	
□ Yes ■ No	☐ Yes ☐ No	Chloramine-T	
□ Yes ■ No	□ Yes □ No	Chlorine	
□ Yes ■ No	□ Yes □ No	Draxxin	
□ Yes ■ No	□ Yes □ No	Erythromycin - injectable	
☐ Yes ■ No	☐ Yes ☐ No	Erythromycin - medicated feed	
≅ Yes □ No	□ Yes ■ No	Florfenicol (Aquaflor)	
■ Yes □ No	□ Yes ■ No	Formalin - 37% formaldehyde	
□ Yes ■ No	☐ Yes ☐ No	Herbicide - describe:	
□ Yes ■ No	☐ Yes ☐ No	Hormone - describe:	
□ Yes ■ No	☐ Yes ☐ No	Hydrogen Peroxide	
≅ Yes □ No	☐ Yes ■ No	lodine	
□ Yes ■ No	☐ Yes ☐ No	Oxytetracycline	
□ Yes ■ No	□ Yes □ No	Potassium Permanganate	
□ Yes ■ No	□ Yes □ No	Romet	
□ Yes ■ No	□ Yes □ No	SLICE (emamectin benzoate)	
■ Yes	□ Yes ■ No	Sodium Chloride - salt	
□ Yes ■ No	□ Yes □ No	Vibrio vaccine	
■ Yes	□ Yes ■ No	Other: Virkon	
☐ Yes ☐ No	□ Yes □ No	Other:	
□ Yes □ No	☐ Yes ☐ No	Other:	

#### Section 9. Painted or Caulked Surfaces

Describe all painted and caulked surfaces that are in regular contact with water that is discharged to waters of the U.S.

Location of such surfaces should appear in the drawing required as part of the checklist on page 1.

Type of Paint/Caulk	Where applied (including area)	Amount applied	Date applied	Reason for application
None known				
Notes:				

#### Section 10. Other Information/Changes

escribe any changes to the facility or operations since the last permit application. Disregard this section if this new or proposed facility.	is
None	

### Section 11. Signature and Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly evaluate and gather the information submitted. Based on my inquiry of the person or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Keith Underwood	Natural Resources Mgr.		
Printed name of person signing	Title		
Keith Ullerwood	04/18/2019		
Applicant Signature	Date Signed		

All permit applications must be signed as follows:

- a. For a corporation: by a responsible corporate officer.
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.
- c. For a municipality, state, federal, Indian tribe, or other public agency: by either a principal executive officer or ranking elected official.

#### **Section 12. Submittal Information**

Send the complete, signed information, along with required attachments, to the following address:

U.S. EPA Region 10, OWW-191

Washington Hatchery NOI

1200 Sixth Avenue, Suite 900

Seattle, WA 98101-3140

#### Saltwater Park Hatchery Process Design Criteria

#### Area/System

#### **Biological Program**

Sockeye Salmon

Adults at Spawn 2,090 Release No. 1 200,000 fish @ 2,500 fpp

Release No. 2 Release No. 3 1,000,000 fish @ 800 fpp 800,000 fihs @ 150 fpp

#### **Water Supply System**

Incubation & Early Rearing

**Ground Water** 1,800 gpm

Adult Holding Flow

Surface Water 2,100 gpm

Aeration

Ground Water 48-in. Dia. Packed Column Surface Water 48-in. Dia. Packed Column

#### **Effluent Treatment System**

Clarifiers

Number

8-ft x 24-ft Size Cleaning Drain and Pump 500 gpm Max Flow

#### Fish Rearing Units

Incubaion

Number 120 Туре Flow Per Incubator 1 gpm

Otolith Marking Temperature Ambient - 10 degrees F

Max Otolith Marking Flow 60 gpm

**Adult Holding** 

Number

18-ft Dia. Cornell Circulars Type

Design Flow per Unit 350 gpm

Starter Troughs

24 Number

2.1-ft H x 2.0-ft W x 16-ft L Rectangular

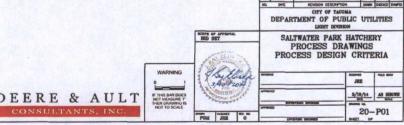
Flow per Trough 20 gpm

**Final Rearing** 

Number

12-ft Dia. Cornell Circulars Type

Flow per Unit



DEERE & AULT

